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(21) International Application Number: PCT/IL/03/00004

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(22) International Filing Date: 2 January 2003 (02.01.2003)

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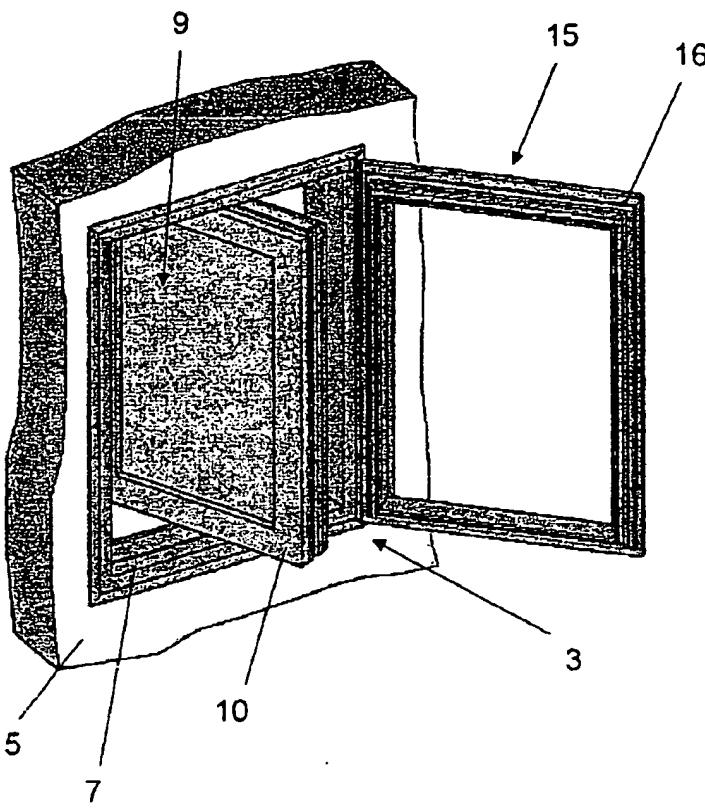
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147457 3 January 2002 (03.01.2002) IL*[Continued on next page]*(71) Applicant (*for all designated States except US*): BEN-GURION UNIVERSITY OF THE NEGEV [IL/IL]; Research and Development Authority, P.O. Box 653, 84105 Beer-Sheva (IL).

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(75) Inventors/Applicants (*for US only*): ERELL, Evyatar [IL/IL]; 2 Neve Zin, Midreshet Ben-Gurion, 84993

(54) Title: ROTATABLE WINDOW PANE ASSEMBLY AND METHOD OF REPOSITIONING



(57) Abstract: A rotatable window pane assembly (9) and method of repositioning the same is disclosed in which the window pane assembly (9) comprising a frame (7) and at least one window pane (8) is rotatably supported in a fixed frame (7) from a first position, such that the at least one window pane (8) is parallel to an aperture defined by the fixed frame (7), to a second position, such that the at least one window pane (8) is parallel to the aperture defined by the frame (7) and a second surface of the at least one window pane (8) faces the outside, or from a second to first position. A seal assembly (15) comprising a seal frame (16) and at least one pliable seal (23) carried is located on the inside with respect to the fixed frame (7) and is pivotally displaceable independently of the position of the window pane assembly (9), from a closed position in which the seal frame (16) is parallel and adjacent to the aperture defined by the interior surface of the fixed frame (7) to an open position in which the seal frame (16) is spaced from and at an angle to the aperture.

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SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

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18 December 2003

**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

**PCT**NOTICE INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

To:

LUZZATTO, Kfir  
P.O. Box 5352  
84152 Beer-Sheva  
ISRAËL

Date of mailing(*day/month/year*)  
24 July 2003 (24.07.03)

Applicant's or agent's file reference  
13575/WO/01

**IMPORTANT NOTICE**

International application No.  
PCT/IL03/00004

International filing date(*day/month/year*)  
02 January 2003 (02.01.03)

Priority date(*day/month/year*)  
03 January 2002 (03.01.02)

Applicant

BEN-GURION UNIVERSITY OF THE NEGEV

1. Notice is hereby given that the International Bureau has **communicated**, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

CH, EP, KP, KR, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OA, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this notice is a copy of the international application as published by the International Bureau on  
24 July 2003 (24.07.03) under No. 03/060268

**4. TIME LIMITS for filing a demand for international preliminary examination and for entry into the national phase**

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of 19 months from the priority date, but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see *PCT Gazette* No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the *PCT Newsletter*, October and November 2001 and February 2002 issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

For filing a demand for international preliminary examination, see the *PCT Applicant's Guide*, Volume I/A, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO  
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1211 Geneva 20, Switzerland

Authorized officer

Judith Zahra

Facsimile No.(41-22) 740.14.35

Telephone No.(41-22) 338.91.11

**PCT REQUEST**

Original (for SUBMISSION) - printed on 31.12.2002 12:41:45 PM

<b>0</b>	<b>For receiving Office use only</b>	
0-1	International Application No	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
<hr/>		
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	<b>PCT-EASY Version 2.92 (updated 01.10.2002)</b>
0-5	Petition  The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	<b>Israel Patent Office (RO/IL)</b>
0-7	Applicant's or agent's file reference	<b>13575/WO/01</b>
I	Title of invention	<b>ROTATABLE WINDOW PANE ASSEMBLY AND METHOD OF REPOSITIONING</b>
<hr/>		
II	Applicant	
II-1	This person is:	<b>applicant only</b>
II-2	Applicant for	<b>all designated States except US</b>
II-4	Name	<b>BEN-GURION UNIVERSITY OF THE NEGEV</b>
II-5	Address:	<b>Research and Development Authority P.O. Box 653 84105 Beer-Sheva Israel</b>
II-6	State of nationality	<b>IL</b>
II-7	State of residence	<b>IL</b>
<hr/>		
III-1	Applicant and/or inventor	
III-1-1	This person is:	<b>applicant and inventor</b>
III-1-2	Applicant for	<b>US only</b>
III-1-4	Name (LAST, First)	<b>ERELL, Evyatar</b>
III-1-5	Address:	<b>2 Neve Zin Midreshet Ben-Gurion 84993 Sde Boker Israel</b>
III-1-6	State of nationality	<b>IL</b>
III-1-7	State of residence	<b>IL</b>

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III-2	<b>Applicant and/or Inventor</b>	
III-2-1	This person is:	
III-2-2	Applicant for	
III-2-4	Name (LAST, First)	
III-2-5	Address:	
III-2-6	State of nationality	
III-2-7	State of residence	
IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First)	
IV-1-2	Address:	
IV-1-3	Telephone No.	
IV-1-4	Facsimile No.	
IV-1-5	e-mail	
IV-2	Additional agent(s) with same address as first named agent	
IV-2-1	Name(s)	

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**Eyal; SHALEV, Ronit; HACKMEY, Miriam;**  
**ZRIHAN-LICHT, Sheila; JACOBSON,**  
**Zvi-Michael**

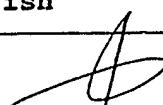
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V	Designation of States	
V-1	<p>Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)</p>	<p><b>AP:</b> GH GM KE LS MW MZ SD SL SZ TZ UG ZM  <b>ZW</b> and any other State which is a Contracting State of the Harare Protocol and of the PCT</p> <p><b>EA:</b> AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT</p> <p><b>EP:</b> AT BE BG CH&amp;LI CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT</p> <p><b>OA:</b> BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT</p>
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p><b>AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&amp;LI CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW</b></p>
V-5	Precautionary Designation Statement  In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary designations	<b>NONE</b>
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	<b>03 January 2002 (03.01.2002)</b>
VI-1-2	Number	<b>147457</b>
VI-1-3	Country	<b>IL</b>

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VI-2	<b>Priority document request</b> The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	<b>International Searching Authority Chosen</b>	<b>United States Patent and Trademark Office (USPTO) (ISA/US)</b>	
VIII	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	<b>Check list</b>	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	-
IX-2	Description	20	-
IX-3	Claims	5	-
IX-4	Abstract	1	<b>EZABST00.TXT</b>
IX-5	Drawings	8	-
IX-7	<b>TOTAL</b>	39	
	<b>Accompanying items</b>	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-17	PCT-EASY diskette	-	<b>Diskette</b>
IX-19	<b>Figure of the drawings which should accompany the abstract</b>		
IX-20	<b>Language of filing of the international application</b>	<b>English</b>	
X-1	<b>Signature of applicant, agent or common representative</b>		
X-1-1	Name (LAST, First)	<b>CHECHIK, Haim</b>	

**FOR RECEIVING OFFICE USE ONLY**

10-1	<b>Date of actual receipt of the purported international application</b>	
10-2	<b>Drawings:</b>	
10-2-1	Received	
10-2-2	Not received	
10-3	<b>Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application</b>	

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10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/US
10-6	Transmittal of search copy delayed until search fee is paid	

**FOR INTERNATIONAL BUREAU USE ONLY**

11-1	Date of receipt of the record copy by the International Bureau	
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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/00004

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :E05B 65/04; E05C 7/02; E05D 15/00; E05F 15/20; E06B 1/00

US CL :49/31, 61, 63, 67, 390, 392, 393

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 49/31, 61, 63, 67, 390, 392, 393

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,878,644 A (BROWN et al) 22 April 1975, see entire document.	1, 8, 9, 10
Y	US 4,081,934 A (FRANZ) 04 April 1978, see entire document.	2, 3, 4, 5, 12, 13, 14, 15
Y	JP 4-327675 A (FUJIWARA) 17 November 1992, see entire document.	6, 7, 11, 16

 Further documents are listed in the continuation of Box C.  See patent family annex.

Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance		
"E" earlier document published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reasons (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed	"g"	document member of the same patent family

Date of the actual completion of the international search

05 AUGUST 2003

Date of mailing of the international search report

03 SEP 2003

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